INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. CHUKKA SANTHAIAH**	Department:	**Computer Science and Engineering**
Regulation:	**IARE - R18**	Batch:	**2020-2022**
Course Name:	**MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE**	Course Code:	**BCSB01**
Semester:	**I**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Make use of probability theory and distributions for depicting the expected outcome of possible values in the data generating process/experiment.	0.90	2.40	1.2	Not Attained
CO2	Build statistical models based on random sampling data for getting unbiased estimates in performing data analysis.	0.90	2.40	1.2	Not Attained
CO3	Examine regression and multivariate statistical models for solving classification and curve fitting problems in data analysis.	0.90	2.40	1.2	Not Attained
CO4	Identify appropriate techniques of graphs and combinatorial theory for finding solutions to shortest path and enumeration problems.	2.10	2.20	2.1	Attained
CO5	Choose appropriate mathematical and statistical techniques for solving applications in emerging areas of Information Technology.	0.70	1.40	0.8	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO1:To enhance problem solving skills , make student to solve more application problems on probability theory as an exercise.
CO2:Discuss case studies on estimation theory , to improve student focus on data analysis in day to day applications.
CO3:Provide Application problems on construction of classification and clustering models.
CO5: Make student to solve programming exercises on Statistical and Mathematical Techniques used in Computer Science Applications by encouraging them to participate in hackthons organized by prestigious institutions.

Course Coordinator **Mentor** **Head of the Department**